

INTERNATIONAL SEARCH REPORT

Internati location No
PCT/IT 03/00449

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61C7/12

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 917 602 A (BROUSSARD GARFFORD J) 17 April 1990 (1990-04-17) the whole document ---	1-16
X	US 3 327 393 A (BRADER ALLEN C) 27 June 1967 (1967-06-27) the whole document ---	1-3, 5, 6, 8-10, 12-16
A	US 5 356 288 A (COHEN HOWARD) 18 October 1994 (1994-10-18) the whole document ---	1-6, 9, 13-16
A	US 2003/104335 A1 (CHUNG KYU-RHIM) 5 June 2003 (2003-06-05) figures 1-14 ---	15, 16
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

10 December 2003

Date of mailing of the international search report

30/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Salvatore, C

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 02 03880 A (LEE JONG SUCK ;PARK YOUNG CHEL (KR)) 17 January 2002 (2002-01-17) figures 2,7A,7B</p> <p>-----</p>	15,16

INTERNATIONAL SEARCH REPORT

Information on patent family members

International

Application No

PCT/IT 03/00449

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4917602	A	17-04-1990	DE 4011988 A1 US RE34044 E	17-10-1991 25-08-1992
US 3327393	A	27-06-1967	NONE	
US 5356288	A	18-10-1994	NONE	
US 2003104335	A1	05-06-2003	KR 2001096150 A AU 5271701 A CN 1423542 T DE 10196111 T0 JP 2003531670 T WO 0182822 A1 KR 196064 Y1	07-11-2001 12-11-2001 11-06-2003 15-05-2003 28-10-2003 08-11-2001 15-09-2000
WO 0203880	A	17-01-2002	KR 207524 Y1 WO 0203880 A1	15-12-2000 17-01-2002